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ABSTRACT

As part of a program of graduate follow-up studies, Macomb Community College (MCC), in Michigan, regularly conducts surveys of graduates or certificate earners 1, 3, and 5 years after their departure from the college. In September 1993, surveys were sent to 2,633 alumni from the class of 1988-89 requesting information on graduate characteristics, current employment/educational status, salary information, and perceptions of MCC. Study findings, based on responses from 994 former students, included the following: (1) respondents were 95.1% white and 59.5% female; (2) 42.7% of the respondents indicated that their primary reason for attending MCC had been to prepare for a job, while 36.5% indicated that they had attended to earn credit for transfer; (3) 84% of respondents were employed, 8.4% were unemployed, and 5.9% were full-time students; (4) of the employed respondents, 63.3% indicated that their job was directly related to their education at MCC and most rated themselves as satisfied or very satisfied with their work; (5) the median monthly salary reported by employed graduates was between $2,000 and $2,499; (6) for respondents continuing their education, the most common transfer programs were business/business administration, accounting, engineering, and management; (7) 28% of all the respondents had earned Bachelor's or Master's Degrees; and (8) 95% of the respondents indicated that they would recommend the courses they completed at MCC to others. The survey instrument is appended. (KP)

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ED 369 467

Macomb Community College

FIVE YEARS AFTER GRADUATION
A Follow-Up Study of 1988-89 Graduates/Certificate Holders
Macomb Community College

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November 15, 1993
Project #93-053

JC 940 303

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GRAD 5 SUMMARY
CLASS OF 1988-89

Respondents to the Grad 5 Survey of the class of 1988-89 revealed the following information.

Respondents were overwhelmingly white, although there are some changes in minority composition of respondents. Women are also the majority (59.5% of respondents)--not surprising since women comprise more than half of the student body.

According to respondents, graduates live close to home: 82.5% are within 25 miles of the College; 94% are less than 100 miles away.

Respondents indicated their primary purpose for enrolling at Macomb was to prepare for a job (42.7%) followed closely by earning university transfer credit (36.5%). The majority of respondents are employed full time (73.4%); another 10% report part-time employment.

Wayne State University continues to be the #1 destination of students reporting transfer (11.7%) followed very closely this year by Walsh College (11.6%). One-third of respondents hold associate degrees, while 28% have earned a higher degree. About one-third report plans to earn a higher degree. Accounting is the discipline the majority of respondents have entered with 54 reports. The majority of respondents report a GPA between 3.0 - 3.9/4.00 at the transfer school. Of those respondents who indicated they were currently enrolled in a four-year institution, 80% are part-time students and 20% are full time. More than half are seniors or graduate students.

The vast majority report being currently employed (87%). Two-thirds said their current position was directly related to their education at Macomb and they rated the usefulness of that education at 4.31/5.00. Job satisfaction drew a mean rating of 4.10/5.00. For 68% of respondents, MCC courses were directly or indirectly related to career plans.

The average salary reported by 5th year graduates remains between $2,000-$2,499 a month or $24,000-$30,000 a year. Nine percent report monthly salaries greater than $4,000 per month, while two percent said they earned less than $1,000 per month. Those

unemployed gave the following reasons (multiple answers were allowed):

14.1%	transferred to 4 year school
4.5	not qualified by MCC training
4.3	preferred another field
4.0	found a better paying job in another field
6.1	inability to find job in field
2.4	worked previously in field but changed
7.0	other

Ninety-five percent of respondents would recommend the courses completed at MCC to others.

FIVE YEARS AFTER GRADUATION
A Follow-Up Study of 1988-89 Graduates/Certificate Holders
Macomb Community College

As part of a program of graduate follow-up studies, the Department of Research & Evaluation (R&E) at Macomb Community College conducts a mail survey of those who graduated or earned certificates at one-year, three-year and five-year anniversaries. This report concerns the recent Grad 5 survey which was conducted during the month of September, 1993.

METHODOLOGY

The class of 1988-89 (Summer Semester 1988, Fall 1988, Spring 1989) had 2,745 members. Of those, 112 (4%) had unknown addresses; the remaining 2,633 alumni were sent the Grad 5 Survey the week of August 20. A subsequent mailing to non-respondents went out the week of September 13. From the two mailings, we received a total of 994 responses (36% of the class, 38% of number mailed). A historical overview of class size/response rate is shown below in Table 1 under Demographics.

Letters from the project director accompanied each survey in both mailings. Responses were coded by R&E staff member Phyllis Troppens under the supervision of the project director. Surveys were then delivered to a contracted data entry firm for processing to magnetic tape. Printouts were generated by Senior Research Analyst Martha Snyder and Analyst Ann Gerds. These printouts were then perused by the project director, along with data from previous surveys, to compile the information in this report. The instrument can be found as Appendix A.

DEMOGRAPHICS

Class Size/Response Rate - Class sizes declined steadily for four years and increased by 200 for the class of 1988-89. Responses have consistently remained around 39% (around 1,000). Exact figures and response rates are presented in Table 1. Over five years, there is a three point decline in response rates; however, the response to this year's survey is 4 points down from the response to last year's survey.

Table 1
CLASS SIZE AND RESPONSE RATE

Year of Grad-->	84-85	85-86	86-87	87-88	88-89
Number of students	2785	2727	2769	2511	2745
Number of responses	1092	1010	1092	1012	994
Response Rate	39.2%	37.0%	39.4%	40.3%	36.2%

Ethnicity - The ethnic composition of Macomb's student body fluctuates very little. Table 2 presents a five-year history of the ethnicity of Grad 5 respondents, and it clearly demonstrates that changes are very small: tenths of one percent. The respondents of '88-'89 were 95% white, 2% Black not of Hispanic origin, and 2% American Indian or Alaskan Native, Asian/Pacific Islander or Hispanic. African-Americans are the only group increasing steadily; Asian/Pacific Islanders are declining steadily. Until this year, the number of Hispanic respondents had increased steadily over the five years. One percent of respondents did not answer this question.

Table 2
ETHNIC COMPOSITION OF GRAD 5 RESPONDENTS

ETHNIC GROUP	84-85	85-86	86-87	87-88	88-89
Am Ind/AK Native	1.3%	1.3%	0.7%	1.3%	0.9%
Asian/Pac Isl	0.8%	0.7%	0.6%	0.6%	0.5%
Black/not Hisp	0.9%	1.0%	1.0%	1.1%	1.8%
Hispanic	0.3%	0.4%	0.6%	1.3%	0.5%
White/not Hisp	95.3%	94.9%	94.8%	95.3%	95.1%
No Answer	1.4%	1.8%	2.2%	0.5%	1.2%

Sex - Table 3 indicates the five-year response rates for males and females. Since the majority of Macomb's student body has been female for some time, one would expect a greater percentage of responses from nearly any student group to be from females; this survey is no exception. However, the percentage of responses from males is down two points from last year, and four points from the class of 86-87. More than half of responses to this year's Grad 5 survey came from females (59.5%) and 40% from males; six-tenths of one percent did not answer this question.

Table 3
GENDER OF GRAD 5 RESPONDENTS

SEX	**84-85**	**85-86**	**86-87**	**87-88**	**88-89**
Male	42.2%	40.3%	43.7%	41.5%	39.9%
Female	56.5	58.2	55.4	58.4	59.5
No Answer	1.3	1.5	0.9	0.1	0.6

Distance from Campus - More than 80% of Macomb's five-year graduates continue to live less than 25 miles from campus. This has not varied more than two points over the last five years, nor do any other distance patterns vary exceedingly. Between 3% and 5% of respondents continue to live 200 miles or more from Macomb.

Table 4 illustrates these trends.

Table 4
CURRENT DISTANCE FROM CAMPUS

DISTANCE	84-85	85-86	86-87	87-88	88-89
< 25 miles	83.1%	84.0%	84.7%	84.6%	82.5%
25-49 miles	8.5	8.0	7.6	8.4	9.2
50-99 miles	2.1	1.9	2.2	2.7	2.3
100-199 miles	0.6	0.9	1.4	0.7	0.9
200 miles or more	4.9	4.1	3.1	3.3	4.1
No answer	0.7	1.2	1.0	0.4	1.4

Primary objective in attending MCC - The primary objective of alumni surveyed 5 years after graduation continues to have been job-related. More than half, and in some years two-thirds or more, of respondents indicated their reason for attending MCC was to improve job skills or to prepare for a new job. However, this appears to be on a downward trend when one combines both responses; the response "prepare for a new job" is on a distinct downward trend.

This year, for the first time, more than one-third of respondents indicated their objective had been to earn transfer credit. This segment of respondents has continued to increase over time. Personal interest continues to be a reason given by 5% or fewer respondents. Other reasons given have varied from less than one percent to just under two percent.

Table 5
REASONS FOR ATTENDING MACOMB COLLEGE

REASON	84-85	85-86	86-87	87-88	88-89
Improve skills	16.2%	17.1%	13.6%	15.9%	13.8%
Prepare for job	50.1	50.7	41.6	44.8	42.7
Transfer credit	26.1	15.0	28.7	32.2	36.5
Personal interest	3.8	4.3	3.7	5.2	4.3
Other	1.7	1.6	1.3	0.9	1.5
No answer	2.1	1.4	11.3	1.0	1.2

Table 5 presents all the data for five years' Grad 5s concerning objectives for choosing to attend Macomb Community College. We have no explanation for the significant number of no answers from graduates of 1986-87, other than coding error or keypunch error.

A high degree of correlation occurs between the objective to improve job skills, the usefulness of MCC training and job

satisfaction (.0022), i.e., there is little probability this relationship occurred by chance. A higher correlation occurs between the objective to prepare for a job, usefulness of MCC training and satisfaction with field of employment (.0001). The lowest relationships are between the objective of university transfer credit, usefulness, and satisfaction; and personal interest, usefulness and satisfaction.

EMPLOYMENT

Present status - The greatest number of respondents reported being employed, either full or part-time (84%). However, this figure is 3% lower than one year ago. Eight percent are unemployed, down two-tenths of one percentage point from one year ago but still higher than the previous three surveys. The most recent unemployment figures for Macomb County (September 1993)[1] indicate that 5.8% are unemployed although the figure is somewhat higher state-wide. This figure does not include those who are unemployed and not looking (4.4% of Grad 5 respondents). The number employed full time is down 5% from one year ago while part-time employment is up 2%.

Table 6 presents a five-year history of present status of respondents. The number of full-time college students is up more than two percentage points and is the highest percentage reported recently. The number in military service remains at one-half of one percent.

TABLE 6
PRESENT EMPLOYMENT STATUS OF 5-YEAR GRADUATES

STATUS	84-85	85-86	86-87	87-88	88-89
Active military	0.2%	0.1%	0.5%	0.5%	0.5%
Employed full-time	80.2	78.7	72.5	78.1	73.4
Employed part-time	7.9	7.8	9.3	8.4	10.4
% reporting emp	88.3	86.6	82.3	87.0	84.3
Unemp seeking work	2.6	3.2	4.2	4.8	4.4
Unemp not seeking	4.4	3.8	3.6	3.8	4.0
% reporting unemp	7.0	6.9	7.8	8.6	8.4
Full-time student	3.6	5.1	3.9	3.6	5.9
No answer	1.2	1.3	6.0	0.9	1.3

There is a discrepancy between the responses to this question about employment and the responses to question 12, "Are you currently employed?" We can only speculate that the difference

[1] The Advisor, November 15, 1993, A2.

(36 responses) can be accounted for by self-employment or contract employment. Other possibilities are co-op positions, internships, or work-study although this number is far less than the number reporting full-time student status.

Work related to education - Roughly two thirds of respondents to the survey indicated their work is directly related to their education at MCC (63.3%). No's and no answers equal slightly more than one-third (36.7%) of respondents. These are similar to prior year responses.

At this point, respondents who answered "yes" were directed to the next four questions which dealt with training relative to the job, job satisfaction, relativity of courses to career, and salary information. Those who answered "no" were directed to question 19 which sought reasons why their occupation was not related to courses taken at MCC. These answers will be discussed below.

In response to the question, "Is your position related to courses you completed at MCC?" 63.3% of respondents replied yes--directly or closely related. Nearly 25% said no, and 13% did not answer.

In response to the next question, "Have you been employed since your graduation in a position related to the courses you completed at MCC?" just 79 said yes (7.9%); 864 did not answer.

Usefulness of MCC education - Percentages and mean responses over time with regard to usefulness of MCC education are shown in Table 7. Although the non-response rate to this question is not as high as for the previous one, over the years non-responsiveness has ranged from 17.5% (1983-84) to 31.0%, with the trend being continually higher each year except for the class of 1985-86 when it was down 4 points from the previous year. Nonetheless, means have consistently been above 4.15/5.00. Percentages refer to entire group of respondents.

Table 7
USEFULNESS OF MCC EDUCATION

RATING	84-85	85-86	86-87	87-88	88-89
Respondents	785	763	812	741	686
No answer	28.1%	24.5%	25.6%	26.8%	31.0%
Very useful	36.4%	38.7%	38.7%	36.3%	33.8%
Somewhat useful	25.5	25.7	26.2	25.9	26.5
Neutral	6.6	7.5	6.5	7.1	6.1
Not too useful	1.7	1.5	1.5	1.8	1.7
Mean (high=5)	**4.30**	**4.29**	**4.33**	**4.26**	**4.31**

Satisfaction with employment - Most graduates are satisfied or very satisfied with their jobs, although these responses have declined over the past five-year period. However, the number of those who are dissatisfied has also declined in the past five years. On the other hand, mean scores have increased slightly. After a slight peak in responses by graduates of 1985-86 and 1986-87, those who were extremely dissatisfied descended exactly to the place it was five years ago. The high number of no answers corresponds to those who were directed to question 19 by virtue of being unemployed. Table 8 percentages refer to percent of all respondents.

TABLE 8
JOB SATISFACTION

RATING	84-85	85-86	86-87	87-88	88-89
Very satisfied (5)	25.5%	25.9%	26.9%	25.3%	25.8%
Satisfied (4)	32.6	35.5	33.7	33.5	30.8
Neutral (3)	8.4	8.6	8.2	10.3	8.4
Dissatisfied (2)	3.3	3.4	3.1	2.8	2.7
Extreme dissat (1)	1.6	2.1	2.0	1.5	1.6
MEAN RATING	**4.08**	**4.06**	**4.09**	**4.07**	**4.10**
# respondents	781	763	808	742	688
No answer	28.5	24.5	26.0	26.7	30.8

Rating MCC courses with regard to career plans - This question drew strong positive response that MCC education was a direct benefit to career: 75% of those who responded agreed with this statement. However, the percentage of overall respondents indicating their MCC training was a direct benefit to their career is declining as can be seen in Table 9. In contrast, the percentage reporting no benefit has increased from the last two surveys, but has not reached the point it did for the 1985-86 graduates. Mean scores remain just under 3.00 (2.73-2.74 over the last five surveys) indicating more of a direct benefit than indirect.

TABLE 9
CAREER BENEFIT OF MCC EDUCATION

Rating	84-85	85-86	86-87	87-88	88-89
Direct benefit (3)	53.5%	56.7%	57.0%	55.1%	51.4%
Indirect ben (2)	17.4	16.9	16.8	17.1	16.5
No benefit (1)	1.0	1.3	0.5	0.8	1.0
Mean (high=3.00)	**2.73**	**2.74**	**2.76**	**2.74**	**2.73**
# respondents	785	757	812	739	685
No answer	28.1	25.1	25.6	27.0	31.1

Monthly salary range - Table 10 presents data relating to income of fifth year graduates.

The median monthly salary reported by graduates five years out continues to be between $2,000 and $2,499. This equates to annual salaries between $24,000 and $30,000. The number of respondents indicating monthly salaries more than $4,000 per months is up two percentage points, the highest it has been in five years. In fact, the number of respondents reporting income in the top three brackets has increased while the lower 5 have decreased since five years ago.

TABLE 10
MONTHLY SALARY RANGE OF 5TH YEAR GRADUATES

Monthly Salary	84-85	85-86	86-87	87-88	88-89
< $1,000	2.5%	2.1%	3.0%	2.5%	2.1%
$1,000 - 1,499	9.8	9.6	7.6	9.7	7.4
$1,500 - 1,999	13.9	14.1	11.9	12.2	10.3
$2,000 - 2,499	14.9	14.0	13.4	12.3	12.0
$2,500 - 2,999	9.6	11.4	12.5	11.4	9.9
$3,000 - 3,499	6.1	7.1	9.6	8.4	7.7
$3,500 - 3,999	3.5	4.1	4.4	4.1	4.3
> $4,000	6.0	6.5	5.1	6.6	8.8
# respondents	725	695	737	678	621
% of responses	66%	69%	67%	67%	62%

Consistently, about 2/3 of respondents have answered this question (previous range 66%-67%), but this year's response rate for this question is down considerably (5 percentage points or more) from previous rates.

Employment Unrelated to MCC Education - According to directions given on the questionnaire, those respondents who were currently unemployed were supposed to go to question 14 (Have you been employed...in a position related to the courses...at MCC?). Eighty-six percent of respondents fit this category, but the number of respondents answering question 19 (...please check each reason...which applies [if your occupation is/was not related to MCC courses]) ranged from 24-140 (2.4% - 14.1%) Multiple answers were allowed and thus created some overlap, but the reliability of responses to this question remain in question. Nevertheless, results are indicated below.

14.1%	Transferred to a 4-year college or university
4.5	Training at MCC did not qualify me for a job in my field
4.3	Preferred to work in another field
4.3	Found a better paying job in another field
6.1	Could not find a job in my field of preparation
2.4	Worked previously in field of preparation but changed
7.0	Other

EDUCATION AFTER MACOMB

Top transfer institutions - Fifty-one percent of fifth-year graduates reported transferring to a four-year college or university. This is the highest reported percentage of transfers on the Grad 5 in recent history. Wayne State continues to draw the most Macomb graduates; but this year, Walsh was very close: 116 to 115, respectively. Transfers to several other institutions improved sufficiently to change their rank from previous surveys: Madonna, Detroit College of Business, Western and Ferris, as well as U-M Flint and Grand Valley. Rates and rankings are shown on Table 11.

Transfer degrees - Respondents indicated they had earned their highest degrees in the several programs listed below which account for 53% of the responses to this question. For this question, programs not listed had fewer than 10 responses each. However, the rank order changed when tallied over five surveys. For the five-year tally, programs not listed had fewer than 20 responses each.

This survey		5 year tally	
Bus/Bus Adm	73	Bus/Bus Adm	277
Accounting	54	Accounting	258
Engineering (all fields)	41	Management	243
Management	39	Computer Sci	180
Computer Sci	35	Education (all fields)	136
Education (all fields)	32	Nursing	120
Nursing	20	Finance	113
HRD	19	Marketing	90
Social Work	10	Engineering (all fields)	90
Criminal Justice	10	Criminal Justice	32
		Communications	29
		English	27
		History	24
		Engineering Technology	20

Highest degree earned - The number of respondents reporting they had earned a bachelor's degree or higher since leaving Macomb has

TABLE 11
TRANSFERS TO FOUR-YEAR INSTITUTIONS

TRANSFER DESTINATION	84-85	85-86	86-87	87-88	88-89	TOT
Wayne State Univ	117	128	122	133	116	616
Walsh College	83	77	105	95	115	475
Oakland Univ	85	68	72	68	68	361
Central MI Univ	24	30	32	32	33	151
Lawrence Tech Univ	25	25	25	23	23	121
U of Detroit Mercy	26	20	21	28	23	118
Michigan State Univ	16	13	9	11	12	61
Northwood Institute	14	9	8	10	7	48
U-M Dearborn	12	5	10	12	7	46
Eastern MI Univ	10	5	4	14	12	45
Detroit Col Business	-	5	5	12	12	34
Western MI Univ	5	5	6	5	4	25
Ferris State Univ	9	3	6	3	2	23
Madonna Univ	4	4	6	4	2	22
U-M Ann Arbor	5	4	4	2	6	21
Sienna Heights	3	4	4	4	3	18
Ctr Creative Studies	2	2	6	-	2	12
U-M Flint	1	2	1	2	3	9
Saginaw Valley State	1	3	1	1	2	8
MI Tech Univ	2	-	1	1	3	7
Spring Arbor Coll	-	-	1	4	2	7
Grand Valley State	2	-	1	-	4	7
Davenport	-	-	-	-	5	5
Concordia College	4	-	-	-	-	4
Marygrove College	2	-	1	-	1	4
Northern MI Univ	2	-	-	-	1	3
General Motors Inst	-	1	1	-	-	2
Adrian	-	-	-	-	1	1
Lake Superior St	-	-	-	-	1	1
Other colleges	33	28	34	43	34	172
Total rept transfers	**487**	**442**	**486**	**507**	**565**	**2427**
Total survey resp	**1092**	**1010**	**1092**	**1012**	**994**	**5200**
% reporting transfer	**44.6%**	**43.8%**	**44.5%**	**50.1%**	**51.0%**	**47.0%**

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increased to more than 25%. Historically, it has been between 19 and 24 percent. Results are shown in Table 12. Those reporting master's degrees have surpassed 1% in the last two years, down from a high of 4.5% among 1983-84 Macomb graduates. Those reporting professional degrees remain at less than one-half of one percent, and "other" also accounts for less than one percent.

TABLE 12
HIGHEST DEGREE HELD BY GRADUATES

Degree	84-85	85-86	86-87	87-88	88-89
Associate	36.1%	35.6%	33.6%	34.1%	34.2%
Bachelor	19.8	20.4	22.2	23.9	26.2
Master	1.0	0.7	0.7	1.5	1.2
Professional	0.2	--	0.1	0.3	0.3
Other	0.9	0.6	0.7	0.7	0.7
No answer	42.0	42.7	42.7	39.5	37.4

Highest degree planned - About one-third of respondents continue to indicate that an associate is their highest degree. While this group may be among the 57% of degree transfer students, they have not yet completed the next degree step although many respondents did indicate that they plan to pursue higher degrees.

Of those who currently have bachelor degrees (260), 189 or 73% plan to earn master's degrees or doctorates. Of those who hold master's degrees (12), 9 or 75% plan to pursue a doctorate or a professional degree (law, medicine, dentistry, divinity, etc.). Some graduates indicated plans to earn a second bachelor degree or second master's; one even indicated (we have no way of knowing whether it was intentionally or unintentionally) plans to earn a second associate degree. Five of those who have bachelor degrees indicated they intended to pursue "other" degrees; we can only speculate that this means a specialist degree (which is appropriate only in education) or that professional certification (e.g., CPA, CFP, etc.) is misunderstood.

Graduates of certain programs at MCC seem more likely to earn higher degrees as indicated in Table 13. Only those MCC programs with 15 or more graduates responding are listed.

Table 13
HIGHEST DEGREE PLANNED BY GRADUATES OF SELECTED MCC PROGRAMS

MCC Prog	# Resp	Assoc	Bachelor	Master	PhD/EdD	Prof	Other
Gen Sts	240	0.8%	20.0%	30.4%	5.0%	3.8%	0.8%
Arts	111	--	23.4	36.0	9.9	3.6	0.9
Gen Bus	87	1.1	29.9	26.4	1.1	--	1.1
Bus Mgt	51	2.0	31.4	11.8	3.9	--	--
Nur	47	2.1	14.9	17.0	--	--	--
ABD	44	2.3	20.5	13.6	2.3	--	--
CIS	42	--	16.7	--	--	--	--
Acct	41	--	29.3	22.0	--	2.4	--
EET	19		26.3	15.8	--	--	--
Law Enf	18	--	33.3	11.1	5.6	--	--
GCA	17	--	23.5	11.8	--	--	--
LAT	15	--	20.0	20.0	--	6.7	--

Transfer by MCC program - The top 12 MCC programs (those with 15 or more graduates) by transfer to the seven institutions with the most reported transfers from 88-89 graduates are indicated below in Table 14. The transfer institutions are Wayne State University (WSU), Walsh College, Oakland University (OU), Central Michigan University (CMU), Lawrence Technological University (LTU), University of Detroit-Mercy (UD-M), and Michigan State University (MSU).

TABLE 14
TRANSFERS BY MCC PROGRAM

MCC Pro	# Resp	WSU	Walsh	OU	CMU	LTU	UD-M	MSU
Gen Studies	240	--	--	--	10	8	--	4
Arts	111	36	6	17	5	--	1	5
Gen Bus	87	5	34	4	3	--	--	--
Bus Mgt	51	--	9	6	2	--	--	--
Nur	47	4	--	4	--	--	1	--
ABD	44	2	--	1	--	5	3	--
CIS	42	2	6	2	3	2	--	--
Acct	41	1	22	--	--	--	1	--
EET	19	3	--	--	--	3	--	--
Law Enf	18	5	2	--	--	--	2	--
GCA	17	2	1	1	--	--	--	--
LAT	15	3	3	--	--	--	2	--

Major at MCC and Major at Transfer Institution - As one would expect, there is strong relationship between a graduate's program at MCC and a graduate's choice of program at the transfer institution. Those transfer programs with a transfer rate higher than 5% according to MCC programs are listed in descending order according to MCC program/transfer program in Table 15 below.

Of the three largest programs (General Studies, Arts, and General

Business), remaining respondents transferred to diverse fields: General Studies, 227 graduates transferred into 33 other programs; 111 Arts graduates transferred into 22 other fields; and 38 General Business graduates transferred into 10 other programs.

Table 15
COMPARISON OF MCC PROGRAM AND TRANSFER PROGRAM

# Resp by MCC Pro	MCC Program/Transfer Program	% of Trans in Program	# of Trans in Program
41	Accounting/Accounting	63.4%	26
42	Comp Inf Sys/Comp Inf Sys	40.5	17
47	Nursing/Nursing	38.3	18
51	Business Mgt/Management	35.3	18
18	Law Enf/Criminal Justice	33.3	6
	Law Enforcement/Pre-law	16.7	3
	Law Enforcement/French	5.6	1
	Law Enforcement/Political Sci	5.6	1
15	Legal Assistant (LAT)/Pre-Law	26.7	4
	LAT/Psychology	6.7	1
	LAT/Political Science	6.7	1
	LAT/Education	6.7	1
87	Gen Bus/Business or Bus Adm	33.3	29
	Gen Bus/Accounting	13.9	12
	Gen Bus/Management	9.2	8
19	EET/EET or E Tech	21.1	4
	EET/Engineering (all fields)	15.9	3
111	Arts/Psychology	8.1	9
	Arts/Education	8.1	9
	Arts/Communication	5.4	6
	Arts/Social Work	5.4	6
17	GCA/Architecture	5.9	1
	GCA/Special Education	5.9	1
	GCA/Business Administration	5.9	1
	GCA/EET or E Tech	5.9	1
240	General Studies/Business Adm	5.4	13

RECOMMENDATION OF COURSES

The number of students willing to recommend courses at MCC has risen steadily since 1983-84 when 90% of respondents said yes, they would recommend MCC courses. Today, that percentage stands at just over

95%. In addition, while we would expect a corresponding decline in the number of people who said no, we are also seeing a decline in the number of no answers to this question, currently at 2.3% from 4.5%. Table 16 presents the five-year history of responses to this question.

Table 16
COURSE RECOMMENDATION

	84-85	85-86	86-87	87-88	88-89
Would recommend	93.9%	94.3%	94.4%	93.3%	95.4%
Wouldn't recommend	3.8	3.5	2.7	3.9	2.3
No answer	4.5	2.4	2.3	2.9	2.9

VERBATIM COMMENTS

Respondents were offered the opportunity to provide any comments regarding how MCC could improve the program or services the College provides. A content analysis revealed that the comments fell rather easily into about 10 categories.

The largest group (75 comments) was kudos for MCC in general: its programs, equipment, quality of education, cost, convenience, etc. The remainder was a combination of praise and criticism directed at several different topics. All items in the following list were divided between praise and criticism, with the exception of counseling. All of those comments were critical of the counseling services (or what respondents perceived to be the lack of it) at Macomb College.

Course content	38
Counseling	23
Computers/software	29
Faculty	29
Transfer credits	23
Registration	5
New programs	19
Co-op/internship/job placement	19
Other	54

RESPONSE BASE

It has been suggested in the research literature[2] and by Dr. Donald Marcotte, consultant to Information & Planning, that percentages should relate to the number of alumni with usable addresses rather than number of returns. If that were the case, the response rate would be similar (36% vs. 38% as indicated in the first paragraph of this report) but percentage of responses to individual questions would decline dramatically.

These suggestions have merit and will be reviewed by Research & Evaluation when it plans its next round of graduate follow-up surveys later this fiscal year.

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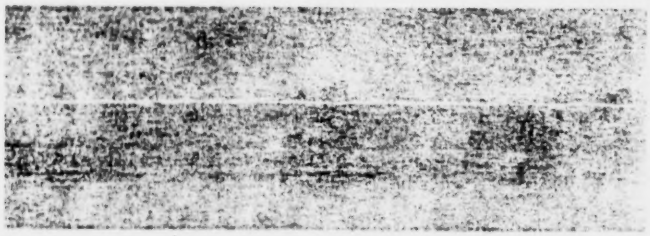
[2]Schiltz, Michael E. "Professional Standards for Survey Research," Research in Higher Education, Vol. 28, No. 1, Agathon Press, Inc. New York, 1988.

Macomb Community College

5-YEAR GRADUATE FOLLOW-UP SURVEY

GRAD 5 MiSIS



Please respond as appropriate. The information will help the College plan its course and program offerings in the future.

■ SECTION A

1. What is your ethnic group?
- ☐ 1 American Indian or Alaskan Native
- ☐ 2 Asian or Pacific Islander
- cc19 ☐ 3 Black, not of Hispanic Origin
- ☐ 4 Hispanic
- ☐ 5 White, not of Hispanic Origin

2. What is your sex?
- cc20 ☐ 1 Male
- ☐ 2 Female

3. How far from MCC are you currently living?
- ☐ 1 Less than 25 miles
- ☐ 2 25–49 miles
- cc21 ☐ 3 50–99 miles
- ☐ 4 100–199 miles
- ☐ 5 200 miles or more

4. What was your **primary** objective in attending MCC?
- ☐ 1 Improving existing job skills
- ☐ 2 Preparing for a future job
- cc22 ☐ 3 Earning university transfer credit
- ☐ 4 Following a personal interest
- ☐ 5 None of the above

5. Which one of those below **best** describes your **present** status?
- ☐ 1 On active military service
- ☐ 2 Employed full-time
- cc23 ☐ 3 Employed part-time
- ☐ 4 Unemployed, seeking work
- ☐ 5 Unemployed, not seeking work
- ☐ 6 A student at a 4-year college or university

■ SECTION B

*If you have enrolled at a **4-year college or university** since your graduation from MCC, please answer questions 6 through 11. If you have **not** enrolled at a 4-year college or university since your graduation from MCC, skip this section and go to **Section C**.*

6. What is the name of the 4-year college or university you attended most recently?

cc24-25 1 _____
School Name

2 _____
City and State

7. In **Column A** indicate the highest degree you **now** hold and in **Column B** indicate the degree you **plan to earn** in the future.

cc26 A	B	cc27
☐ 1	☐ 1	Associate (AA, AAS, etc.)
☐ 2	☐ 2	Bachelor's (BA, BS, BSN, etc.)
☐ 3	☐ 3	Master's (MA, MS, etc.)
☐ 4	☐ 4	Ph D or Ed D
☐ 5	☐ 5	Professional Degree (Medicine, Dentistry, Law, Divinity, etc.)
☐ 6	☐ 6	Other

8. In what field of study is the highest degree you now hold? Indicate your major field or program of study:

cc28-30 _____

9. What is (was) your overall grade point average at the 4-year college or university?
- ☐ 1 Less than 1.0
- ☐ 2 1.0–1.9
- cc31 ☐ 3 2.0–2.9
- ☐ 4 3.0–3.9
- ☐ 5 4.0

10. If you are currently enrolled in a 4-year college or university, please indicate your current status.
- ☐ 1 Part-time student (Less than 12 undergraduate hours)
- cc32 ☐ 2 Full-time student (12 undergraduate hours or more)

11. If you are currently enrolled in a 4-year college or university, please indicate your classification.
- ☐ 1 Junior
- ☐ 2 Senior
- cc33 ☐ 3 Graduate student
- ☐ 4 Other

Please continue on the opposite side of this page. ▶

■ SECTION C

If you have been employed since graduation from MCC, please answer these questions as directed.

12. Are you currently employed?

cc34 ☐ 1 Yes ▸ ***Go to Question 13.***
☐ 2 No ▸ ***Go to Question 14.***

13. Is your position related to the courses you completed at MCC?

cc35 ☐ 1 Yes, directly or closely related ▸ ***Go to Question 15.***
☐ 2 No ▸ ***Skip to Section D.***

14. **Have** you been employed since your graduation in a position related to the courses you completed at MCC?

cc36 ☐ 1 Yes, directly or closely related ▸ ***Go to Question 15.***
☐ 2 No ▸ ***Go to Section D.***

15. How useful in doing your day-to-day work is (was) the training which you received at MCC?

☐ 1 Useless
☐ 2 Not too useful
cc37 ☐ 3 Neutral
☐ 4 Somewhat useful
☐ 5 Very useful

16. How satisfied are (were) you with your employment?

☐ 1 Extremely dissatisfied
☐ 2 Dissatisfied
cc38 ☐ 3 Neutral
☐ 4 Satisfied
☐ 5 Very satisfied

17. How do you rate the courses you took at MCC in terms of your career plans?

☐ 1 Of no benefit
cc39 ☐ 2 Of indirect benefit
☐ 3 Of direct benefit

18. **If you are (have been) employed full-time,** please indicate your average monthly salary range (gross). This information, when combined with that from others of your graduating class, will help current MCC students in their career planning.

☐ 1 Less than $1,000
☐ 2 $1,000–$1,499
☐ 3 $1,500–$1,999
cc40 ☐ 4 $2,000–$2,499
☐ 5 $2,500–$2,999
☐ 6 $3,000–$3,499
☐ 7 $3,500–$3,999
☐ 8 $4,000 or more

▸ ***Go to Section E.***

■ SECTION D

19. Since, as you indicated in Section C, your occupation is (was) not related to the courses you took at MCC, please check each reason below which applies.

cc41 ☐ 1 Transferred to a 4-year college or university
cc42 ☐ 2 My training at MCC did not qualify me for a job in my field
cc43 ☐ 3 Preferred to work in another field
cc44 ☐ 4 Found a better paying job in another field
cc45 ☐ 5 Could not find a job in my field of preparation
cc46 ☐ 6 Worked previousiy in field of preparation, but changed
cc47 ☐ 7 Other (Describe) _____

_____

■ SECTION E

20. Would you recommend the courses you completed at MCC to others?

cc48 ☐ 1 Yes
☐ 2 No

21. We should appreciate any comments regarding how MCC could improve the program you completed or the services the College provided. Please locate your comments here.

_____

_____

_____

_____

_____

_____

Thank you for answering this survey. Please return this form in the pre-paid envelope as soon as possible.